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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/772,176	01/29/2001	James A. Proctor JR.	TAN-2-1508.01.US	1093
24774 06022008 VOLPE AND KOENIG, P.C. DEPT. ICC UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET PHILADELPHIA, PA 19103			EXAMINER	
			BURD, KEVIN MICHAEL	
			ART UNIT	PAPER NUMBER
			2611	
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			06/02/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 09/772 176 PROCTOR, JAMES A. Office Action Summary Examiner Art Unit Kevin M. Burd 2611 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 20 March 2008. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1.2.5-19.21.22.25-39 and 42 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 1.2.5-19.21.22.25-39 and 42 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner, Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Diselesure Statement(s) (PTO/SB/CC)
 Paper No(s)/Mail Date

Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Amilication

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 This office action, in response to the request for continued examination and amendment filed 3/20/2008. is a non-final office action.

Continued Examination Under 37 CFR 1.114

2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/20/2008 has been entered.

Response to Arguments

 Applicant's arguments with respect to claims 1, 2, 5-19, 21, 22, 25-39 and 42 have been considered but are moot in view of the new grounds of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States

only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

 Claims 1, 8-15, 18, 21, 28-35, 38 and 42 are rejected under 35 U.S.C. 102(e) as being anticipated by Suonvieri et al (US 6,259.919).

Regarding claim 1, 11-13, 21, 31-33 and 42, Suonvieri discloses an apparatus and a method of using the apparatus that adaptively changes a signal path in a wireless link. A signal is received form a mobile station and frequency errors of the received signal are determined (3 and abstract). The frequency errors are indicative of motion of the mobile station. When the base station identifies the mobile station as a fast mobile station (as determined by the frequency errors) an adjustment of the wireless link can take place (column 3, lines 38-55). Suonvieri provides the example of handing off the mobile to a larger cell. This would change the range and power of the wireless transmission (column 3, lines 38-44).

Regarding claims 8-10, 28-30, Suonvieri discloses means for adjusting the limit value to correlate with a set value for adjusting the length of the time interval to adjust for the frequency changes (column 2, lines 43-54). The error in the correlation is changed to ensure the frequency error is compensated for.

Regarding claims 14 and 34, the frequency error is compared to a threshold to determine the error.

Regarding claims 15 and 35, the changing of the parameter will change the antenna used to transmit to the mobile station.

Regarding claims 18 and 38, the changing of the parameter will change the power level and the antenna used to transmit to the mobile station.

Claims 1, 2, 5-7, 14, 18, 21, 22, 25-27, 34, 38 and 42 are rejected under 35
 U.S.C. 102(e) as being anticipated by Jou et al (US 6,564,042).

Regarding claims 1, 21 and 42, Jou discloses an apparatus and a method of using the apparatus that adaptively changes a signal path in a wireless link. The method estimates the velocity of a mobile station for a given frame rate and data rate and provides three gains to choose based on the estimated velocity in order to specify a transmit power level (abstract). The system computes the gain level indicative of the velocity of the mobile and adjusts the transmit power (column 4, line 64 to column 5, line 30).

Regarding claims 2 and 22, Claims 4-10 of Jou recite an infrastructure element in a wireless communication network. The infrastructure elements of the network are shown in figure 1 and include mobile stations, base stations, base station controllers and mobile station controllers.

Regarding claims 5-7 and 25-27, Jou discloses the metric for changing the power level of the mobile transmission is determined by the gain value. The gain table entries are advantageously modified (column 5, lines 9-24).

Regarding claims 14 and 34, Jou discloses the estimated velocity and the corresponding gain is selected according to three values in the table. Therefore, the received value is compared to the three available selections in the table (abstract).

Regarding claims 18 and 38, Jou discloses the mobile transmit level is adjusted (abstract).

 Claims 1, 14, 18, 19, 21, 34, 38, 39 and 42 are rejected under 35 U.S.C. 102(e) as being anticipated by Rofheart et al (US 7.058.414).

Regarding claims 1, 21 and 42, Rofheart discloses an apparatus and a method of using the apparatus that adaptively changes a signal path in a wireless link. The distance between the local device and the remote device is determined on a time between the transmitting of a message and the receiving a response. The communication of the device may be enabled or disable depending on this distance (abstract).

Regarding claims 14 and 34, the transmission time is measured and used to determine of communication should be enabled or disabled (abstract). This time is compared to some value to make this determination.

Regarding claims 18, 19, 38 and 39, when the communication is disabled, the power level and data rate of the transmission is reduced to a minimum value, zero.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- Claims 16, 17, 36 and 37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suonvieri et al (US 6,259,919) further in view of McNicol et al (US 5,940,454).

Regarding claims 16, 17, 36 and 37, the method and apparatus of Suonvieri is disclosed above in paragraph 4. Suonvieri does not disclose changing the type of antenna in response to the metrics. McNicol discloses a receiver, shown in figure 5, responsive to a quality metric that controls the selection of an antenna (abstract). The antennas may be omni directional or sectored (column 9, lines 5-13). McNicol overcomes channel fading and channel distortion (column 3, lines 24-29) to allow the received signals to be received with less errors. For this reason, it would have been obvious for one of ordinary skill in the art at the time of the invention to combine the teaching of McNicol into the communication system of Suonvieri.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David C. Payne can be reached on (571) 272-3024. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kevin M. Burd/ Primary Examiner, Art Unit 2611 5/25/2008